

RESULT 12

AAV24010

ID AAV24010 standard; DNA; 2157 BP.

AC AAV24010;

DT 06-AUG-1998 (first entry)

XX Human FK506 binding protein, FKBP52, coding sequence.

XX FK506 binding protein; FKBP52; human; immune response regulator;
XX immunosuppressant; steroid hormone receptor transformation; ds.

XX Homo sapiens.

XX Key Location/Qualifiers

100..1479

/*tag= a

/product= "FKBP52"

US5763590-A.

09-JUN-1998.

09-NOV-1994; 94US-00336618.

11-OCT-1991; 91US-00777752.

16-OCT-1992; 92US-00963325.

29-MAR-1994; 94US-00218989.

(VERT-) VERTEX PHARM INC.

Peattie DA, Livingston DJ, Harding MW;

WPI; 1998-347419/30.

P-PSDB; AAW54038.

DNA sequence encoding human FK506-binding protein - and recombinant DNA molecule containing it.

Claim 1; Fig 3; 28pp; English.

This sequence encodes 52 kD human FK506 binding protein, referred to as FKBP52, of the invention. The FKBP52 protein plays a key role in regulating immune responses. FKBP52 may be useful for mediating steroid hormone receptor transformation. The DNA may be used to screen for new immunosuppressants, and in assays for metabolites in samples from individuals taking immunosuppressants. The DNA may also be used in assays for identifying natural intracellular rapamycin-like or FK506 like substances, and in assays for identifying natural intracellular substrates that are potential targets for other immunosuppressants

SQ Sequence 2157 BP; 531 A; 551 C; 606 G; 469 T; 0 U; 0 Other;

102665

Query Match 4.5%; Score 56.8; DB 2; Length 2157;
 Best Local Similarity 47.5%; Pred. No. 1.1e-05;
 Matches 280; Conservative 0; Mismatches 292; Indels 18; Gaps 3;

QY 471 GGTGTAGCCATCGGTGTTCTAGCATGAAGTCTGTGTGAACGTGCGCTGTGTGCTATGCGC 530
 DB |||||
 QY 706 GGTCTGGAGAGGCCATTCAGCGCATGGAGAAAGGAGACATTCATCGTGTACCTCAAG 765
 DB |||||
 QY 531 TGGGAATTAGCTTATGGGAAGAGAACTTTCTTTTCCCAATGTTCCACCTATGGCA 590
 DB |||||
 QY 766 CCCAGCTATGCTTTTGGCAGTGTGGGAAGGAAAGTT---CCAAATCCCAAAATGCT 822
 DB |||||
 QY 591 GACTTGTATTATGAGTGAAGTTATTTGGTTTGTATGAACAAAGAGGAGGAAAGCTCGC 650
 DB |||||
 QY 823 GAGCTGAATATGAATTAACCTCAAGAGTTTGAAGGCGCAAGGAG-----TCT 873
 DB |||||
 QY 651 AGTGATATGACTGTAGAGAAAGGATTTGGTGCAGCAGACAGAAAGAAATGATGGGAAT 710
 DB |||||
 QY 874 TGGGAGATGAATTCAGAGAGAGAGCTGGNAACAGAGCACCATAGTGAAGAGCGGGGCACT 933
 DB |||||
 QY 711 TCTCTTTTAAAGGAGAGAACTGGAGGAAGCCATGCAACAGTATGAATGGCCATAGCA 770
 DB |||||
 QY 934 GTGTACTTTCAGGAAGGTAATAACAAGCAAGCTTTACTACAGTATAAGAGATCGTGTCT 993
 DB |||||
 QY 771 TACATGGGGGACGATTTTATGTTTTCAGCTGTATGGAGAGTACCAGGATATGGCTTTAGCA 830
 DB |||||
 QY 994 TGGCTGGATATGAGTCTAGTGT-----TCCAAATGAGGAGACACAGAAAGCACAGGCC 1047
 DB |||||
 QY 831 GTTAAAAACCCATGCCATCTTAACATAGCAGCTTGCCTCATCAAACTAAACGATACGAT 890
 DB |||||
 QY 1048 CTTCGACTGGCCTCTCACCTCAACCTGGCCATGTGTCTCTGAACTACAGGCTTCTCT 1107
 DB |||||
 QY 891 GAAGCAATTTGGTCACTGCAACATTTGTGTGAAGAGAGAGAAACCCCAAAAGCACTG 950
 DB |||||
 QY 1108 GCTGCCATTTGAAGAGCTGTAAAGAGCCCTAGAACTGGACAGCAACAACGAGAGGGCCTC 1167
 DB |||||
 QY 951 TTCAGAGAGGGAAGCAAGGCGAGCTAGGACAGATGGACTCAGCAGCTGATGATTTTC 1010
 DB |||||
 QY 1168 TTCCCGGGGAGAGGCCCACTGGCCGTGAATGACTTTGAACCTGGCAGCGGCTGATTTTC 1227
 DB |||||
 QY 1011 CGAAAGGCAAAAGTATGCTCTCTGACGACAGAGGGGATTTAGAGAGAGCT 1060
 DB |||||
 QY 1228 CAGAAGGTCTCTCAGCTCTACCCCAACAAAGCGCGCCAGACCCAGCT 1277
 DB |||||

XX
 mn wpt...2002-740862/80.